

1649


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 RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/936,697

 DATE: 01/22/2000  
 TIME: 14:17:49

 Input Set : A:\ores5051us.txt  
 Output Set : N:\CRF4\01222003\I936697.raw

3 <110> APPLICANT: BURNOL, ANNE-FRANCOISE  
 4 PERDEREAU, DOMINIQUE  
 5 KASUS-JACOBI, ANNE  
 6 BEREZIAT, VERONIQUE  
 7 GIRARD, JEAN  
 8 CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE  
 10 <120> TITLE OF INVENTION: GRB14 AND THE INSULIN RECEPTOR AND SCREENING OF NOVEL  
 MEDICINES  
 12 <130> FILE REFERENCE: 45636-5051  
 14 <140> CURRENT APPLICATION NUMBER: US 09/936,697  
 15 <141> CURRENT FILING DATE: 2001-09-17  
 17 <160> NUMBER OF SEQ ID NOS: 28  
 19 <170> SOFTWARE: Patentin Ver. 2.1  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 43  
 23 <212> TYPE: PRT  
 24 <213> ORGANISM: Rattus sp.  
 26 <400> SEQUENCE: 1  
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 28 1 5 10 15  
 30 Gly Gln Lys Thr Arg Val Ile Asp Asn Pro Thr Glu Ala Leu Ser Val  
 31 20 25 30  
 33 Ala Val Glu Gly Leu Ala Trp Arg Lys Lys  
 34 35 40  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 84  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Rattus sp.  
 43 <400> SEQUENCE: 2  
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 45 1 5 10 15  
 47 Val Ser Glu Asn Ser Leu Val Ala Met Asp Phe Ser Gly Gln Lys Thr  
 48 20 25 30  
 50 Arg Val Ile Asp Asn Pro Thr Glu Ala Leu Ser Val Ala Val Glu Glu  
 51 35 40 45  
 53 Gly Leu Ala Trp Arg Lys Lys Gly Cys Leu Arg Leu Gly Asn His Gly  
 54 50 55 60  
 58 Ser Pro Thr Ala Pro Ser Gln Ser Ser Ala Val Asn Met Ala Leu His  
 59 65 70 75 80  
 61 Arg Ser Gln Pro  
 65 <210> SEQ ID NO: 3  
 66 <211> LENGTH: 174  
 67 <212> TYPE: PRT  
 68 <213> ORGANISM: Rattus sp.

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70 <400> SEQUENCE: 3
71 Pro Met Arg Ser Val Ser Glu Asn Ser Leu Val Ala Met Asp Phe Ser
72 1 5 10 15
73 Gly Gln Lys Thr Arg Val Ile Asp Asn Pro Thr Glu Ala Leu Ser Val
74 20 25 30
75 Ala Val Glu Glu Gly Leu Ala Trp Arg Lys Lys Gly Cys Leu Arg Leu
76 35 40 45
77 Gly Asn His Gly Ser Pro Thr Ala Pro Ser Gln Ser Ser Ala Val Asn
78 50 55 60
79 Met Ala Leu His Arg Ser Gln Pro Trp Phe His His Arg Ile Ser Arg
80 65 70 75 80
81 Asp Glu Ala Gln Gln Leu Ile Thr Arg Gln Gly Pro Val Asp Gly Val
82 85 90 95
83 Phe Leu Val Arg Asp Ser Gln Ser Asn Pro Arg Thr Phe Val Leu Ser
84 100 105 110
85 Met Ser His Gly Gln Lys Ile Lys His Phe Gln Ile Ile Pro Val Glu
86 115 120 125
87 Asp Asp Gly Glu Val Phe His Thr Leu Asp Asp Gly His Thr Lys Phe
88 130 135 140
89 Thr Asp Leu Ile Gln Leu Val Glu Phe Tyr Gln Leu Asn Lys Gly Val
90 145 150 155 160
91 Leu Pro Cys Lys Leu Lys His Tyr Cys Ala Arg Met Ala Val
92 165 170
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 186
95 <212> TYPE: PRT
96 <213> ORGANISM: Rattus sp.
97 <400> SEQUENCE: 4
98 Gln Ala Arg Ser Ala Cys Ser Ser Gln Ser Val Ser Pro Met Arg Ser
99 1 5 10 15
100 Val Ser Glu Asn Ser Leu Val Ala Met Asp Phe Ser Gly Gln Lys Thr
101 20 25 30
102 Arg Val Ile Asp Asn Pro Thr Glu Ala Leu Ser Val Ala Val Glu Glu
103 35 40 45
104 Gly Leu Ala Trp Arg Lys Lys Gly Cys Leu Arg Leu Gly Asn His Gly
105 50 55 60
106 Ser Pro Thr Ala Pro Ser Gln Ser Ser Ala Val Asn Met Ala Leu His
107 65 70 75 80
108 Arg Ser Gln Pro Trp Phe His His Arg Ile Ser Arg Asp Glu Ala Gln
109 85 90 95
110 Gln Leu Ile Thr Arg Gln Gly Pro Val Asp Gly Val Phe Leu Val Arg
111 100 105 110
112 Asp Ser Gln Ser Asn Pro Arg Thr Phe Val Leu Ser Met Ser His Gly
113 115 120 125
114 Gln Lys Ile Lys His Phe Gln Ile Ile Pro Val Glu Asp Asp Gly Glu
115 130 135 140
116 Val Phe His Thr Leu Asp Asp Gly His Thr Lys Phe Thr Asp Leu Ile
117 145 150 155 160
118 Gln Leu Val Glu Phe Tyr Gln Leu Asn Lys Gly Val Leu Pro Cys Lys

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143                                     165                                     170
145 Leu Lys His Tyr Cys Ala Arg Met Ala Val
146                                     180                                     185
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151 <211> LENGTH: 43
152 <212> TYPE: PRT
153 <213> ORGANISM: Homo sapiens
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159 Gly Gln Lys Ser Arg Val Ile Glu Asn Pro Thr Glu Ala Leu Ser Val
160 20 25 30
162 Ala Val Glu Glu Gly Leu Ala Trp Arg Lys Lys
163 35 40
167 <210> SEQ ID NO: 6
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169 <212> TYPE: PRT
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174 1 5 10 15
176 Ile Ser Glu Asn Ser Leu Val Ala Met Asp Phe Ser Gly Gln Lys Ser
177 20 25 30
179 Arg Val Ile Glu Asn Pro Thr Glu Ala Leu Ser Val Ala Val Glu Glu
180 35 40 45
182 Gly Leu Ala Trp Arg Lys Lys Gly Cys Leu Arg Leu Gly Thr His Gly
183 50 55 60
185 Ser Pro Thr Ala Ser Ser Gln Ser Ser Ala Thr Asn Met Ala Ile His
186 65 70 75 80
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194 <211> LENGTH: 174
195 <212> TYPE: PRT
196 <213> ORGANISM: Homo sapiens
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200 1 5 10 15
202 Gly Gln Lys Ser Arg Val Ile Glu Asn Pro Thr Glu Ala Leu Ser Val
203 20 25 30
205 Ala Val Glu Glu Gly Leu Ala Trp Arg Lys Lys Gly Cys Leu Arg Leu
206 35 40 45
208 Gly Thr His Gly Ser Pro Thr Ala Ser Ser Gln Ser Ser Ala Thr Asn
209 50 55 60
211 Met Ala Ile His Arg Ser Gln Pro Trp Phe His His Lys Ile Ser Arg
212 65 70 75 80
214 Asp Glu Ala Gln Arg Leu Ile Ile Gln Gln Gly Leu Val Asp Gly Val
215 85 90 95
217 Phe Leu Val Arg Asp Ser Gln Ser Asn Pro Lys Thr Phe Val Leu Ser
218 100 105 110

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220 Met Ser His Gly Gln Lys Ile Lys His Phe Gln Ile Ile Pro Val Glu
221      115      120      125
223 Asp Asp Gly Glu Met Phe His Thr Leu Asp Asp Gly His Thr Arg Phe
224      130      135      140
226 Thr Asp Leu Ile Gln Leu Val Glu Phe Tyr Gln Leu Asn Lys Gly Val
227      145      150      155      160
229 Leu Pro Cys Lys Leu Lys His Tyr Cys Ala Arg Ile Ala Leu
230      165
234 <210> SEQ ID NO: 8
235 <211> LENGTH: 186
236 <212> TYPE: PRT
237 <213> ORGANISM: Homo sapiens
239 <400> SEQUENCE: 8
240 Gln Gly Arg Ser Gly Cys Ser Ser Gln Ser Ile Ser Pro Met Arg Ser
241      1      5      10      15
243 Ile Ser Glu Asn Ser Leu Val Ala Met Asp Phe Ser Gly Gln Lys Ser
244      20      25      30
246 Arg Val Ile Glu Asn Pro Thr Glu Ala Leu Ser Val Ala Val Glu Glu
247      35      40      45
249 Gly Leu Ala Trp Arg Lys Lys Gly Cys Leu Arg Leu Gly Thr His Gly
250      50      55      60
252 Ser Pro Thr Ala Ser Ser Gln Ser Ser Ala Thr Asn Met Ala Ile His
253      65      70      75      80
255 Arg Ser Gln Pro Trp Phe His His Lys Ile Ser Arg Asp Glu Ala Gln
256      85      90      95
258 Arg Leu Ile Ile Gln Gln Gly Leu Val Asp Gly Val Phe Leu Val Arg
259      100      105      110
261 Asp Ser Gln Ser Asn Pro Lys Thr Phe Val Leu Ser Met Ser His Gly
262      115      120      125
264 Gln Lys Ile Lys His Phe Gln Ile Ile Pro Val Glu Asp Asp Gly Glu
265      130      135      140
267 Met Phe His Thr Leu Asp Asp Gly His Thr Arg Phe Thr Asp Leu Ile
268      145      150      155      160
270 Gln Leu Val Glu Phe Tyr Gln Leu Asn Lys Gly Val Leu Pro Cys Lys
271      165      170      175
273 Leu Lys His Tyr Cys Ala Arg Ile Ala Leu
274      180      185
278 <210> SEQ ID NO: 9
279 <211> LENGTH: 43
280 <212> TYPE: PRT
281 <213> ORGANISM: mus musis
283 <400> SEQUENCE: 9
284 Pro Met Arg Ser Val Ser Glu Asn Ser Leu Val Ala Met Asp Phe Ser
285      1      5      10      15
287 Gly Gln Ile Gly Arg Val Ile Asp Asn Pro Ala Glu Ala Gln Ser Ala
288      20      25      30
290 Ala Leu Glu Glu Gly His Ala Trp Arg Asn Gly
291      35      40
295 <210> SEQ ID NO: 10

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RAW SEQUENCE LISTING  
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298 <213> ORGANISM: mus muris
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302 1 5 10 15
304 Val Ser Glu Asn Ser Leu Val Ala Met Asp Phe Ser Gly Gln Ile Gly
305 20 25 30
307 Arg Val Ile Asp Asn Pro Ala Glu Ala Gln Ser Ala Ala Leu Glu Glu
308 35 40 45
310 Gly His Ala Trp Arg Asn Gly Ser Thr Arg Met Asn Ile Leu Ser Ser
311 50 55 60
313 Gln Ser Pro Leu His Pro Ser Thr Leu Asn Ala Val Ile His Arg Thr
314 65 70 75 80
316 Gln His
321 <210> SEQ ID NO: 11
322 <211> LENGTH: 172
323 <212> TYPE: PRT
324 <213> ORGANISM: mus muris
326 <400> SEQUENCE: 11
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330 Gly Gln Ile Gly Arg Val Ile Asp Asn Pro Ala Glu Ala Gln Ser Ala
331 20 25 30
333 Ala Leu Glu Glu Gly His Ala Trp Arg Asn Gly Ser Thr Arg Met Asn
334 35 40 45
336 Ile Leu Ser Ser Gln Ser Pro Leu His Pro Ser Thr Leu Asn Ala Val
337 50 55 60
339 Ile His Arg Thr Gln His Trp Phe His Gly Arg Ile Ser Arg Glu Glu
340 65 70 75 80
342 Ser His Arg Ile Ile Lys Gln Gln Gly Leu Val Asp Gly Leu Phe Leu
343 85 90 95
345 Leu Arg Asp Ser Gln Ser Asn Pro Lys Ala Phe Val Leu Thr Leu Cys
346 100 105 110
348 His His Gln Lys Ile Lys Asn Phe Gln Ile Leu Pro Cys Glu Asp Asp
349 115 120 125
351 Gly Gln Thr Phe Phe Thr Leu Asp Asp Gly Asn Thr Lys Phe Ser Asp
352 130 135 140
354 Leu Ile Gln Leu Val Asp Phe Tyr Gln Leu Asn Lys Gly Val Leu Pro
355 145 150 155 160
357 Cys Lys Leu Lys His His Cys Ile Arg Val Ala Leu
358 165 170
362 <210> SEQ ID NO: 12
363 <211> LENGTH: 184
364 <212> TYPE: PRT
365 <213> ORGANISM: mus muris
367 <400> SEQUENCE: 12
368 Pro Gln Arg Lys Gly Leu Pro Pro Pro Phe Asn Ala Pro Met Arg Ser
369 1 5 10 15

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/936,697

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